S/N 10/081,818

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner: Tu-Tu Ho

Applicant: Jerome M, Eldridge et al.

Serial No.: 10/081,818 Group Art Unit: 2818

Filed: February 20, 2002 Docket: 1303.045US1
Customer No.: 73115 Confirmation No.: 3148

Title: ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPLOY INSULATORS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 et. seq., the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicants request that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Pursuant to 37 C.F.R. §1.97(c)(2), Applicants hereby authorize the Commissoner to charge the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p), to Deposit Account No. 19-0743. Please charge any additional fees or credit any overpayment to Deposit Account No. 19-0743.

Applicant brings to the attention of the Examiner the following Office Actions and responses associated with one or both of the inventors of the instant application and/or the assignee of the instant application. This material is available and accessible at the United States Patent and Trademark Office.

FLASH MEMORY WITH LOW TUNNEL BARRIER INTERPOLY INSULATORS

Application Serial No. 10/931,704 (Atty Ref 1303.014US2), Notice of Allowance mailed 1-31-08, 7 pgs Application Serial No. 10/931,704 (Atty. Ref.1303.014US2) Notice of Allowance mailed 06-06-08, 6 pgs

SRAM CELLS WITH REPRESSED FLOATING GATE MEMORY, LOW TUNNEL BARRIER INTERPOLY INSULATORS

Application Serial No. 11/062,543 (Atty Ref 1303.028US2), Notice of Allowance mailed 01-31-2008, 13 pgs

Application Serial No. 11/062,543 (Atty Ref 1303.114US), Notice of Allowance mailed 05-29-2008, 11 pgs

Filing Date: February 20, 2002

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Dkt: 1303.045US1

PROGRAMMABLE ARRAY LOGIC OR MEMORY WITH P-CHANNEL DEVICES AND ASYMMETRICAL TUNNEL BARRIERS

Application Serial No. 11/471,008(Atty.Ref.1303.035US3)Notice of Allowance mailed02-13-2008, 13 pgs

ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPLOY INSULATORS

Application Serial No. 10/081,818 (Atty Ref 1303.045US1) Response filed 8-24-2006 to Non Final Office Action mailed 3-24-2006, 11 pgs

ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPOLY INSULATORS

Application Serial No. 10/929,986 (Atty Ref 1303.045US2), Restriction Requirement mailed 10-12-05, 6 pgs

Application Serial No. 10/929,986 (Atty Ref 1303.045US2), Response filed 11-10-05 to Restriction Requirement mailed 11-10-05. 19 pas

Application Serial No. 10/929,986 (Atty Ref 1303.045US2), Notice of Allowance mailed 2-28-08, 7 pgs

ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPOLY INSULATORS

Application Serial No. 11/380,599 (Atty Ref 1303.045US3), Restriction Requirement mailed 01-30-07, 5 pgs

Application Serial No. 11/380,599 (Atty Ref 1303.045US3), Response filed 02-26-07 to Restriction Requirement mailed 01-30-07. 6 pgs

Application Serial No. 11/380,599 (Atty. Ref.1303.045US3) Notice of Allowance mailed 06-05-08, 9 pgs

DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPOLY INSULATORS

Application Serial No. 11/704,458 (Atty Ref 1303.045US4), Response filed 1-29-08 to Non-Final Office Action mailed 11-1-07, 15 pgs

Application Serial No. 11/704,458 (Atty Ref 1303.045US4) Final Office Action mailed 03-14-08, 16 pgs Application Serial No. 11/704,458 (Atty Ref 1303.045US4), Response filed 5-6-08 to Final Office Action mailed 3-31-08, 11 pgs

LOW TUNNEL BARRIER INSULATORS

Application Serial No. 11/708,438 (Atty Ref 1303.045US5), Response filed 1-29-08 to Non-Final Office Action mailed 10-29-07, 11 pgs

Application Serial No. 11/708,438(Atty. Ref. 1303.045US5) Notice of Allowance mailed 03-17-08, 7 pgs

ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPOLY INSULATORS

Application Serial No. 11/728,671 (Atty. Ref.1303.045US6) Non-Final Office Action mailed 03-17-2008, 51 pgs

GERMANIUM-SILICON-CARBIDE FLOATING GATES IN MEMORIES

Application Serial No. 11/063,825 (Atty Ref 1303.132US1), Response filed 1-30-08 to Final Office Action mailed 11-30-07, 11 pgs

Application Serial No. 11/063,825 (Atty Ref No. 1303.132US1), Amendment filed with RCE, 12 pgs Application Serial No. 11/063,825 (Atty. Ref. 1303.032US1) Non-Final Office Action mailed 05-13-2008, 9 pgs

GERMANIUM-SILICON-CARBIDE FLOATING GATES IN MEMORIES

Application Serial No. 11/731255 (Atty. Ref. 1303.132US3), Non-Final Office Action Mailed 05-29-2008, 23 pgs

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Title: ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPLOY INSULATORS

HAFNIUM TITANIUM OXIDE FILMS

Application Serial No. 11/140,643, (Atty Ref 1303.141US1) Response filed 6-9-2006 to Non-Final Office Action mailed 3-9-2006, 16 pgs

Application Serial No. 11/140,643, (Atty Ref 1303.141US1) Restriction Requirement mailed 8-22-2006, 5 pgs

Application Serial No. 11/140,643, (Atty Ref 1303.141US1) Response filed 9-18-2006 to Restriction Requirement mailed 8-22-2006, 11 pgs

Application Serial No. 11/140,643, (Atty Ref 1303.141US1) Response filed 2-12-2007 to Final Office Action mailed 12-13-2006, 16 pgs

Application Serial No. 11/140,643, (Atty Ref 1303.141US1) Advisory Action mailed 3-1-2007, 2 pgs Application Serial No. 11/140,643, (Atty Ref 1303.141US1) Response filed 3-13-2007 to Advisory Action mailed 3-1-2007, 19 pgs

Application Serial No. 11/140,643, (Atty Ref 1303.141US1) Response filed 8-31-2007 to Non-Final Office Action mailed 6-4-2007, 13 pgs

Application Serial No. 11/140,643, (Atty Ref 1303.141US1) Advisory Action mailed 2-13-2008, 3 pgs Application Serial No. 11/140,643 (Atty Ref 1303.141US1) Amendment under CFR filed 2-22-08, 19 pgs Application Serial No. 11/140,643 (Atty. Ref.1303.141US1) Notice of Allowance mailed 05-16-2008, 12 pgs

HAFNIUM TITANIUM OXIDE FILMS

Application Serial No. 11/565,826, (Atty Ref 1303.141US2) Preliminary Amendment filed 12-13-2007, 6 pg Application Serial No. 11/565,826(Atty. Ref. 1303.141US2), Non-Final Office Action mailed 02-13-2008.

22 pgs

JUNE 16/2008

Date

Filing Date: February 20, 2002

Title: ATOMIC LAYER DEPOSITION OF METAL OXIDE AND/OR LOW ASYMMETRICAL TUNNEL BARRIER INTERPLOY INSULATORS

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications, and Non-Published Applications identifiable by USPTO Serial Number, are no longer required to be provided to the Office. Notification of this change to this effect was provided in the United States Patent and Trademark Office OG Notice dated October 19, 2004. Thus, Applicant has not included copies of any US Patents or US Patent Applications identifiable by serial number that may be cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicants' Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

SCHWEGMAN, LUNDBERG & WOESSNER, P.A. P.O. Box 2938 Minneapolis, MN 55402 612-371-2132

Rohr B. Moddy

TBC:jld Re	eg. No. 57,521
CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being filed using the USPTO's electronic filing system EFS-Web, and is addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this	
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